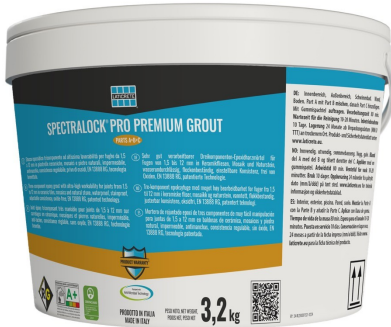




SPECTRALOCK® PRO PREMIUM GROUT

DS-65316-0325

**Globally Proven
Construction Solutions**



- For grout joints from 1.5 to 12 mm for porcelain and ceramic tiles, glass, thin brick and stone
- For residential and commercial use
- For swimming pools, fountains, and other wet area applications
- Ideal for re-grouting applications

Advantages

- Stainproof*
 - Improved non-sag formula for walls
 - Uniform colour — no blotchiness or shading
 - Never needs sealing
 - Easy to maintain — cleanable to the original colour
 - Meets performance requirements of ANSI A118.3, ISO 13007-3 RG and EN 13888 RG
 - Outperforms cement based grout
 - 80 minutes working time at 21°C
 - Equipped with anti-microbial technology to protect the treated article
 - Ideal for installations at wide temperature ranges
 - Tough, durable and crack resistant
 - Available in 52 colours plus 5 DAZZLE™ finishes (Part D)
- * Stainproof (residential installations only) to common household cleaners, liquids and other goods. Clean all spills immediately.

1. PRODUCT NAME

SPECTRALOCK® PRO PREMIUM GROUT

2. MANUFACTURER

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Via Paletti, snc, 41051
Castelnuovo Rangone MO, Italy
Telephone: +39 059 535540
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3. PRODUCT DESCRIPTION

SPECTRALOCK® PRO PREMIUM GROUT is a patented, high performance epoxy grout which offers excellent colour uniformity, durability, stain protection, and beautiful, full grout joints in an easy-to-use, non-sag formula. It is equipped with Microban® Anti-Microbial Protection and never needs sealing.

SPECTRALOCK® PRO PREMIUM GROUT is designed for use with porcelain tile, ceramic tile, glass tile and stone applications, both residential and commercial. It can be used both interior and exterior on floors and walls, and is ideal for re-grouting applications. SPECTRALOCK® PRO GROUT is perfect for swimming pools, fountains and other wet area applications.

Suitable Substrates

- Glass Tile
- Ceramic Tile
- Porcelain tile
- Natural Stone

Packaging

Unit Size	Parts A & B	Part C	Accessories
3,2 kg kit	Part A: 0.35 kg Part B: 0.35 kg	Part C: 2,5 kg (Colour Powder)	(1) Sponge

Uses

- For interior, exterior, and submerged applications
- For walls or floors

Approximate Coverage / Consumption

Tile Size (mm)		Joint Width (mm)			
		1	2	3	5
2x2	4	0.70	1.40	2.10	3.50
10x10	9	0.32	0.64	0.96	1.60
7.5x15	7	0.25	0.50	0.75	1.25
15x15	9	0.21	0.42	0.63	1.05
12x24	12	0.26	0.52	0.78	1.30
20x20	9	0.16	0.32	0.48	0.80
20x20	14	0.25	0.50	0.75	1.25
30x30	10	0.12	0.24	0.36	0.60
30x60	10	0.09	0.18	0.27	0.45
45x45	10	0.08	0.16	0.24	0.40
45x90	10	0.06	0.12	0.18	0.30
60x60	10	0.06	0.12	0.18	0.30
60x120	10	0.04	0.08	0.12	0.20
120x120	10	0.03	0.06	0.09	0.15
15x80	10	0.14	0.28	0.42	0.70
20x150	10	0.10	0.20	0.30	0.50
20x170	10	0.10	0.20	0.30	0.50
60x60	20	0.12	0.24	0.36	0.60
100x100	6	0.02	0.04	0.06	0.10
150x300	6	0.01	0.02	0.03	0.05

*Note: Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size.
Tips: Add 10%–15% when grouting unglazed quarry tile.*

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for the time listed below if stored at temperatures greater than 32°F (0°C) and less than 95°F (35°C). Part A & B Liquids – two (2) years Part C Powder – no limit* *High humidity will reduce the shelf life of bagged product.

Limitations

- Not for use in areas subjected to harsh chemicals, or areas exposed to aggressive cleaning regimens (e.g. steam cleaning). Not for use on floor and base areas in veterinary clinics, kennels, or in applications exposed to high concentrations of food and mineral acids or areas exposed to high temperatures. For these areas LATICRETE recommends using grout that meets ANSI A118.5 such as SPECTRALOCK® 2000 IG.
- Epoxy grout for ceramic tile and stone is not a replacement for a waterproofing membrane. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane.
- SPECTRALOCK PRO Premium Grout should not be used on floors and base in the food preparation or cleaning area of commercial and industrial kitchen applications.
- Stainproof to common household cleaners, liquids and other goods. Clean all spills immediately. Stainproof in residential installations only.

Cautions

- Consult SDS for more safety information.
- Do not mix SPECTRALOCK® PRO PREMIUM GROUT A or Part B liquids with SPECTRALOCK PRO GROUT Part A or Part B liquids.
- Do not install SPECTRALOCK PRO PREMIUM GROUT adjacent to SPECTRALOCK PRO GROUT of the same colour to avoid possible colour shade and texture variation.
- DO NOT add water or any other material to the mixture, or re-temper with water. This will have an adverse effect on the product and void all warranties.
- Protect finished work from traffic until fully cured.
- SPECTRALOCK PRO PRO PREMIUM GROUT liquid components cause skin burns and serious eye damage. Avoid contact with eyes and skin.
- Wear protective gear (gloves, long sleeve shirt, and safety glasses) when applying. Flush thoroughly with water in case of initial contact.
- DO NOT ingest. Do not breathe dust. Wear a respirator or dust mask. See SDS for more information.
- Because propane gas heaters will cause epoxy grouts to yellow, refrain from using such heaters or properly vent all exhaust.
- Keep out of reach of children.
- Protect from freezing during cure.
- Light colours may darken and dark colours may fade slightly from direct UV exposure in exterior applications. Consult with LATICRETE Technical Services for specific exterior recommendations.
- SPECTRALOCK DAZZLE™ (Glow) not for use in submerged installations.
- Maximum stain protection is achieved in seven days at 70°F (21°C). Protect from exposure to acids (such as mustard, salad dressing, etc.) and strong cleaners during this period. Protect grout from dirt, construction debris, and contamination for 7 days @ 70°F (21°C).
- SPECTRALOCK PRO PREMIUM GROUT is a sanded grout. Use of sanded grouts in joints <1/8" (3 mm) will result in a coarser surface compared to surfaces in wider joints.
- SPECTRALOCK DAZZLE (Glow) might discolour from strong alkali cleaners and acids. Use a neutral pH solution of soap and water when cleaning SPECTRALOCK PRO Premium Grout mixed with SPECTRALOCK DAZZLE (Glow).
- Some soft polished marble or delicate glazed or glass tile might be scratched by SPECTRALOCK SPECTRALOCK PRO PREMIUM GROUT during installation. Apply a small test area to determine results before grouting entire installation.
- In steam rooms or submerged applications, allow SPECTRALOCK PRO Premium Grout to cure for 10 days at 70°F (21°C) days before use of area and filing with water. See TDS 192 for more information on these applications.

- Epoxy Resins may affect the colour of white or porous stones (such as White Carrara, Thassos White, Royal Danby etc.). Test stones for compatibility with water and cleaning additive mixture.
- Conduct a test area to determine compatibility with metal or steel tile.

4. TECHNICAL DATA



VOC/LEED Product Information

- This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program for Chemical Emissions For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.
- GEV EMICODE: EC1 Plus

Applicable Standard

- ISO 13007-3 RG
- EN 13888 RG
- ANSI A118.3
- ISO 9001:2015 Quality Management System

Physical Properties

Basis:	Epoxy resins, aggregates, additives		
Colour:	See colour chart		
Apparent Density:	Part A: 1,1 g/cm ³ Part B: 1,1 g/cm ³ Part C: 1,6 g/cm ³		
Maximum Grain Size:	Part C: 0.71 mm		
Flammability:	No		
Classification EN 13888:	RG		
	Value	Requirement	Test Method
Abrasion Resistance:	~100 mm ³	≤ 250 mm ³	EN 12808-2
Flexural Strength (28 days):	~35 N/mm ²	≥ 30 N/mm ²	EN 12808-3
Compressive Strength (28 days):	~50 N/mm ²	≥ 45,0 N/mm ²	EN 12808-3
Shrinkage:	~1,0 mm/m	≤ 1,5 mm/m	EN 12808-4
Water Absorption (after 240 min):	~0,05 g	< 0,1 g	EN 12808-5

Working Properties

Consistency:	creamy paste
Wet Density:	1,60 g/cm ³
Working Time:	~ 80 minutes
Application Temperature:	from +5°C to +35°C
Mix Ratio:	1 Part A : 1 Part B : 1 Part C (0.35 kg : 0.35 kg : 2,5 kg)
Time to Foot Traffic:	~ 24 hours
Time to Full-Service Conditions:	10 days*

(at 23°C / 50% RH)

*for maximum stain resistance

Chemical Resistance

Reagent / Chemical Name	Continuous Exposure (7 days)	Intermittent Exposure (24 hours)	Splash Exposure (30 min)
Food & Drink Reagents			
Lactic acid 5% (Milk)	R	R	R
Acetic Acid 5% (Vinegar)	R	R	R
Formic Acid 3%	NR	R	R
Tartaric Acid 50%	R	R	R
Tannic Acid 50%	R	R	R
Ethanol 10% (Wine, Beer)	R	R	R
Ethanol 96% (Spirit)	NR	R	R
Benzoic Acid 5%	R	R	R
Mineral Acids			
Sulfuric Acid 20%	NR*	R*	R
Cleaners			
Isopropanol (Windex)	R	R	R
Sodium Hypochlorite 5% (Bleach)	NR	R	R
Chloroform	NR	NR	NR
Potassium Permanganate 10%	R*	R*	R*
Potassium Permanganate 1%	R*	R*	R*
Oxalic Acid 10%	R	R	R

Chemical Resistance

Solvents			
Xylene	R	R	R
Toluene	NR	R	R
Methylene Chloride	NR	NR	NR
Methanol	NR	NR	R
Potassium hydroxide (KOH) 45% (Cascade)	R	R	R
MEK	NR	NR	R
Waters			
Distilled Water	R	R	R
Mineral Water	R	R	R
Sea Water 3.5%	R	R	R

*grout colour may change

Chemical Resistance determined in accordance with ASTM C267-1982). Chemical Resistance defined as:

- **Splash:** minor spill wiped up quickly such as in a laboratory
- **Intermittent:** exposure to chemicals where clean up takes place several times a day such as in a commercial kitchen.
- **Continuous:** heavy exposure to chemicals where clean up is less frequent such as in an industrial food plant.
- **R** = recommended (optimal resistance), **NR** = not recommended (poor resistance)

NOTES TO SPECIFIER: Use the constant exposure recommendations for intermittent exposure to reagents at temperatures above 90°F (32°C).

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Before you Begin

Please note that working time is affected by many variables including grout mix consistency, surface and room temperatures. Warmer climates, for example, will shorten working time, while colder conditions will extend working time.

SPECTRALOCKK® PRO PREMIUM GROUT is a sanded grout. Use of sanded grouts in joints less than 3 mm will result in a coarser surface texture as compared to wider joints. SPECTRALOCK PRO PREMIUM GROUT, as well as other sanded grouts, may "scratch" glass tiles, soft or polished marble and stone, soft glazed and handmade tiles. Test grout on a small area to ensure compatibility.

Test stone for compatibility with water and cleaning additive mixture. Epoxy resins may affect the colour of white or light coloured porous stones (such as white carrara, thusos white, royal danby, etc.).

Do not add water or any other materials to the grout mixture. Do not re-temper with water. This will have an adverse effect on the product and void all warranties.

Clean-up is critical. Prepare for the initial and final washes by having 2 pails of clean water ready for the clean-up process.

Surface Preparation

Ensure the tile surface has no residual film from adhesive setting material. The use of a topical sealer or grout release applied to unglazed porcelain tile, abrasive, non-slip or rough textured tiles or porous tile or stone surfaces before grouting will facilitate cleaning.

Before starting to grout, remove spacers and debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Surface temperature range for installation must be above 40°F (4°C) and less than 95°F (35°C).

Note: when grouting in hot weather refer to TDS 176 Hot Weather Tiling and Grouting.

Mixing

Pour the entire contents of parts A and B into a clean bucket. Mix thoroughly, taking care to also scrape the bottom of the bucket. Mix with a spatula or mixer at low speed (<300 RPM). Once parts A and B are mixed, add the powder from part C and mix thoroughly with a mixer at low speed. SPECTRALOCK PRO PREMIUM GROUT is designed to use all Part C powder for most applications. For narrow joints <3mm, however, you can use up to 10% Part C powder to achieve a smoother mix.

MIXING WITH PART D SPECTRALOCK® DAZZLE™: If using Part D DAZZLE™ Powder: Mix Part D DAZZLE powder into the blended liquids (Part A and Part B) before adding the Part C colour powder. Use 2,5 Part D DAZZLE cups per full unit (i.e. 3.2 kg kit). Be careful mixing, as Part D DAZZLE powder is light and will become airborne easily.

Once blended, add Part C colour powder to the mix, leaving out an amount approximately equal to or slightly more than the volume of Part D DAZZLE powder used. Use the empty Part D Dazzle cup to hold back the Part C colour powder.

NOTE: You will not be able to add all the Part C colour powder when using Part D Dazzle powder. Mix to desired consistency.

Grouting

After surfaces are cleaned, allow to dry thoroughly before grouting. Spread grout using a sharp edged, firm rubber grout float. Work the grout diagonally across the joints, packing them full. "Cut" excess grout off the tile surface using the edge of the float held at a 90° angle like a squeegee, stroking diagonally to avoid pulling grout out of filled joints.

Initial Wash

Prepare clean water, (2 buckets) and 2 clean sponges. After grouting, cleaning can be carried out 20 min. after application (and in any case within one hour after initial mixing of the grout). Wait longer at low temperatures (cold). Dip the clean sponge in water and wipe the joints without wringing it out. Change the water every 5 m² approx. Clean with the sponge in circular movements, removing grout residue from the tiles and smoothing the grout in the joints. With the sponge well wrung out, then make diagonal passes to remove the last residues of water from the first wash. Rinse the sponge after each pass. Discard sponges when they become 'gummy' from too much grout residue. Check the work during cleaning by repairing any low spots by adding a little putty and smoothing it immediately with plenty of water.

Wall Applications

Instead of a sponge, the use of a damp, well wrung, folded terry cloth towel can be helpful to remove excess grout while smoothing joints less than 3 mm on walls. Use light pressure when using folded terry cloth towel.

Final Inspection and Cleaning

Start the final cleaning approximately 1 hour after the initial washing. Follow the same procedure as for the initial wash. Rinse frequently with a clean sponge.

Then, drag a clean sponge diagonally over the scrubbed surfaces to remove froth and residue. Use each side of sponge only once before rinsing and change water and cleaning additive mixture at least every 4.6 m² when using multiple units or kits.

Allow cleaned areas to dry and inspect tile/stone surface. For persistent grout film/haze (within 24 hours), scrub area with mixture of 7.5 litres clean water and 118 ml white vinegar. Conduct a test area to verify results on polished stones. Rinse with clean water and allow surface to dry. Inspect grout surface and repair as required with freshly mixed grout. Unlike cement grout haze that can be buffed off the following day, SPECTRALOCK PRO PREMIUM GROUT film/haze that is allowed to cure on the tile surface may be difficult to remove. Make certain to check tile surface with adequate lighting after the tile surface is dry. Use STONETECH® EPOXY GROUT HAZE & COATING STRIPPER if film/haze has cured and is difficult to remove.

Protect finished surface from traffic for at least 24 hours at 21°C. Do not expose grout to acid cleaners for 7 days. Allow grout to cure for 10 days at 21°C prior to use in submerged applications or steam rooms. See LATICRETE Technical Data Sheet 192 for more information.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Europe S.r.l. a socio unico:

+39 059 535540

info@laticreteurope.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE Europe S.r.l. a socio unico to obtain complete information and cost.

7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- 1 Year Product Warranty
- 5-10-15 Years System Warranty

8. MAINTENANCE

LATICRETE® and LATAPOXY® are products of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending on the cleaning products used.

LATICRETE recommends using STONETECH® surface products to protect, clean and enhance stone, masonry, tile and grout surfaces. Use STONETECH® EPOXY GROUT HAZE & COATING STRIPPER for epoxy film/haze that has cured on tile surface and is difficult to remove.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

technicalservices@laticreteeuropa.com

Technical and Safety Literature

To obtain technical and safety literature, please visit our website at www.laticrete.eu.

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.eu.

United States Invention Patent No.: 6,881,768 (and other Patents)